

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits  | Search Query                                  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|--|------------------|---------|---------------------|
| L1    | 119   | (239/696).OCLS.                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/12/02<br>13:27 |
| L2    | 93451 | ("118").CLAS.                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/12/02<br>13:31 |
| L3    | 452   | L2 and (outlet near4<br>top)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ              | ON      | 2009/12/02<br>13:31 |
| L4    | 99959 | ("239").CLAS.                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/12/02<br>13:38 |
| L5    | 781   | l4 and (outlet near4<br>top)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ              | ON      | 2009/12/02<br>13:38 |
| L6    | 200   | l4 and (outlet with top<br>with tube)         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ              | ON      | 2009/12/02<br>13:39 |
| L7    | 118   | l2 and (outlet with top<br>with tube)         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ              | ON      | 2009/12/02<br>13:43 |
| L8    | 19    | l2 and (outlet with<br>plurality) and syringe | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ              | ON      | 2009/12/02<br>14:04 |

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| L9  | 2   | ("7387681").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/12/02<br>14:06 |
| L10 | 10  | ("2545445"  <br>"3892389"   "4911956"<br>"5435462"  <br>"5819983"   "5857589"<br>  "6386396"  <br>"6540104"  <br>"6672519").PN. OR<br>("7387681").URPN. | US-PGPUB;<br>USPAT; USOCR                                      | ADJ | ON  | 2009/12/02<br>14:06 |
| L11 | 723 | I2 and (outlet with<br>plurality) and<br>(particles)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ | ON  | 2009/12/02<br>14:09 |
| L12 | 127 | I2 and (outlet with<br>plurality) and (liquid<br>with particles)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ | ON  | 2009/12/02<br>14:09 |
| L13 | 42  | I2 and (outlet with<br>(mutiple or plurality))<br>and (minimum<br>amount)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ | ON  | 2009/12/02<br>14:15 |
| L14 | 209 | I2 and (outlet with<br>(mutiple or plurality))<br>and (recircu\$)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | ADJ | ON  | 2009/12/02<br>14:19 |
| S1  | 13  | "1107333"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | ADJ | ON  | 2008/04/16<br>14:35 |
| S2  | 4   | "0930641"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | ADJ | ON  | 2008/04/16<br>15:00 |
| S3  | 0   | "0930641"   | EPO  | ADJ | ON  | 2008/04/16<br>15:01 |
| S4  | 1   | "930641"  | EPO  | ADJ | ON  | 2008/04/16<br>15:01 |
| S5  | 0   | nanocrystalline and<br>photovoltaic and<br>(dispens\$ with<br>horizontal\$)   | EPO  | ADJ | ON  | 2008/04/16<br>17:19 |

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| S6  | 5      | nanocrystalline and photovoltaic and (dispens\$ with horizontal\$) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB  | ADJ | ON  | 2008/04/16 17:19 |
| S7  | 0      | "2003003231"   | EPO  | ADJ | ON  | 2008/04/16 17:24 |
| S8  | 0      | "20030003231"  | EPO  | ADJ | ON  | 2008/04/16 17:25 |
| S9  | 1      | ("7115434").PN.  | US-PGPUB; USPAT; USOCR                             | OR  | OFF | 2008/04/16 17:28 |
| S10 | 0      | "tube\$4withdispens\$4").PN.                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/15 16:32 |
| S11 | 41260  | tube\$4 with dispense\$4   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/15 16:32 |
| S12 | 190988 | ("427").CLAS.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/15 16:32 |
| S13 | 493    | S11 and S12  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/15 16:32 |
| S14 | 5630   | tube\$4 with dispense\$4 and lateral                               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/15 16:40 |
| S15 | 991    | tube\$4 same dispense\$4 same lateral                              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/15 16:41 |
| S16 | 92368  | ("118").CLAS.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/15 16:41 |
| S17 | 11     | S15 and (S16 or S12)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/15 16:41 |

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| S18 | 1366724 | (tub\$4 or cylind\$6) same (lateral or side)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 12:48 |
| S19 | 191012  | ("427").CLAS.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/16 12:48 |
| S20 | 92380   | ("118").CLAS.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/16 12:48 |
| S21 | 15286   | S18 and (S19 or S20)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 12:48 |
| S22 | 73693   | (tub\$4 or cylind\$6) same (lateral or side) same (dispens\$4 or spra\$4 or eject\$4 or deposit\$4)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:39 |
| S23 | 36320   | (tub\$4 or cylind\$6) same (lateral or side) same (dispens\$4 or eject\$4 )                           | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:44 |
| S24 | 34590   | (tube or tubular or cylind\$6) same (lateral or side) same (dispens \$4 or eject\$4 )                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:44 |
| S25 | 20574   | (tube or tubular or cylind\$6) with (lateral or side) same (dispens \$4 or eject\$4 )                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:45 |
| S26 | 11564   | ((tube or tubular or cylind\$6) with (lateral or side) with (dispens \$4 or eject\$4 ))               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:45 |
| S27 | 814     | ((tube or tubular or cylind\$6) with (lateral or side) with (dispens \$4 or eject\$4 )) same parallel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:46 |

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| S28 | 4      | ((tube or tubular or cylind\$6) with (lateral or side) with (dispens \$4 or eject\$4 )) same parallel same substrate                 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:46 |
| S29 | 26     | S27 and (S19 or S20)   | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:49 |
| S30 | 334    | (dispens\$4 with needle) and (S19 or S20)  | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | ADJ | ON  | 2009/06/16 13:52 |
| S31 | 2      | ("7387681").PN.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/16 14:56 |
| S32 | 10     | ("2545445"   "3892389"   "4911956"   "5435462"   "5819983"   "5857589"   "6386396"   "6540104"   "6672519").PN. OR ("7387681").URPN. | US_PGPUB; USPAT; USOCR                             | ADJ | ON  | 2009/06/16 14:56 |
| S33 | 7949   | dispens\$4) and recirculation  | US_PGPUB; USPAT; USOCR                             | ADJ | ON  | 2009/06/16 16:47 |
| S34 | 191012 | ("427").CLAS.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/16 16:47 |
| S35 | 92380  | ("118").CLAS.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2009/06/16 16:47 |
| S36 | 384    | (dispens\$4) and recirculation and (S35 or S34)  | US_PGPUB; USPAT; USOCR                             | ADJ | ON  | 2009/06/16 16:47 |
| S37 | 1      | wo "03082480"  | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB  | ADJ | ON  | 2009/06/17 14:18 |
| S38 | 1      | 2003-748893.NRAN.  | DERWENT  | ADJ | ON  | 2009/06/17 14:18 |

**12/ 2/ 2009 3:16:24 PM**  
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